

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095305.D
 Acq On : 20 May 2017 15:14
 Operator : SJ/MA
 Sample : I3186-02 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Manual Integrations
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Quant Time: May 22 04:43:04 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	71763	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	288744	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	128911	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	181798	20.00	ng	0.00
75) Chrysene-d12	18.68	240	180912	20.00	ng	-0.01
86) Perylene-d12	20.37	264	137833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.82	112	23544	5.47	ng	0.09
7) Phenol-d6	7.40	99	21528m	4.17	ng	0.09
23) Nitrobenzene-d5	8.72	82	21556	4.71	ng	0.05
41) 2,4,6-Tribromophenol	13.94	330	6308	5.97	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	53908	6.02	ng	0.00
78) Terphenyl-d14	17.34	244	35074	4.27	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	15.05	178	146851	14.06	ng	97
71) Anthracene	15.15	178	32052	3.00	ng	98
74) Fluoranthene	16.79	202	248555	23.20	ng	98
77) Pyrene	17.09	202	268153	19.82	ng	96
80) Benzo(a)anthracene	18.67	228	112812	10.71	ng	97
82) Chrysene	18.72	228	128732	12.64	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	36136	4.37	ng	96
87) Benzo(b)fluoranthene	19.96	252	125651m	14.75	ng	
88) Benzo(k)fluoranthene	19.98	252	36703m	4.47	ng	
89) Benzo(a)pyrene	20.31	252	81960	10.43	ng	97
91) Benzo(g,h,i)perylene	22.10	276	40098	6.30	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

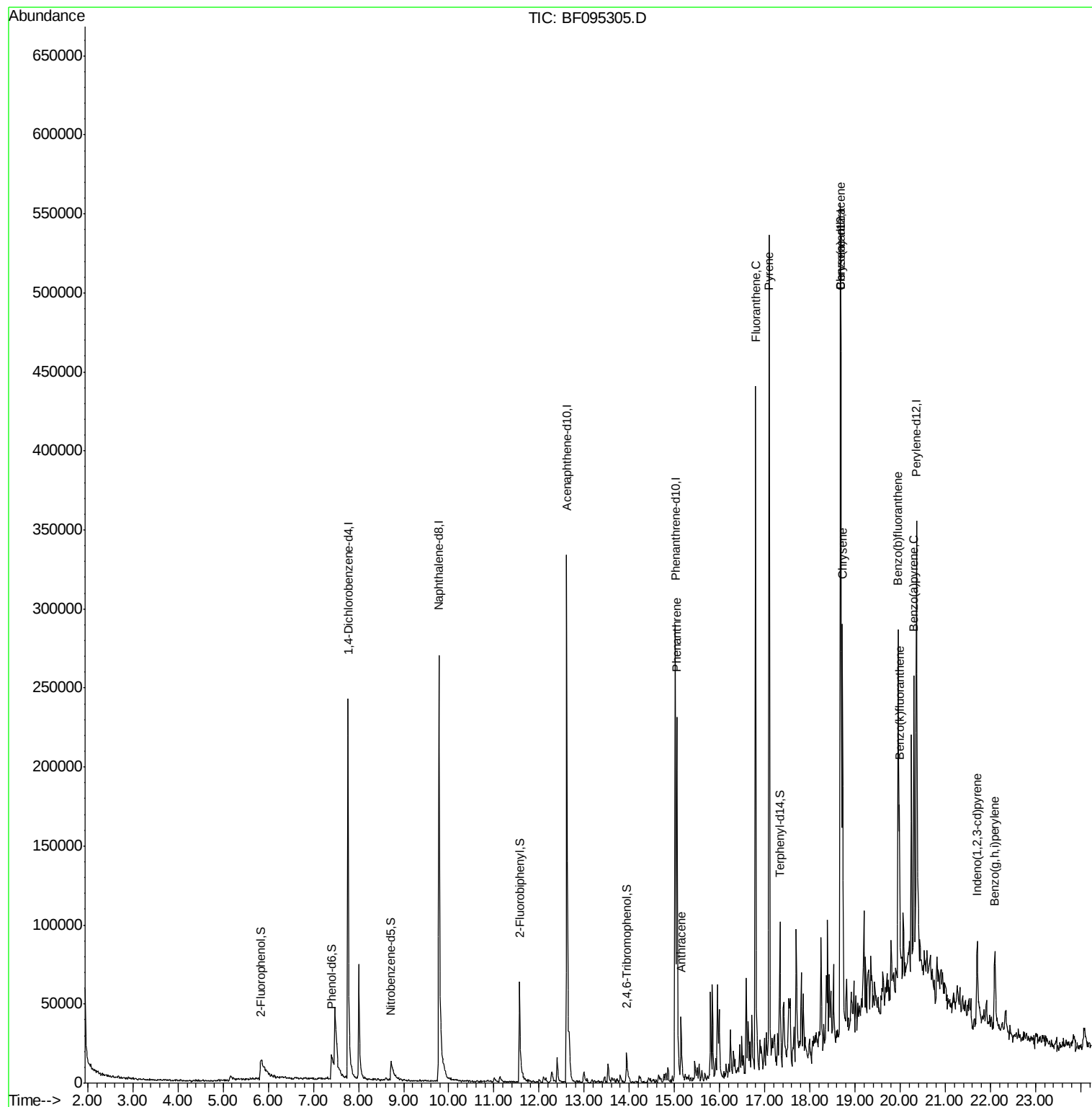
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095305.D
Acq On : 20 May 2017 15:14
Operator : SJ/MA
Sample : I3186-02 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

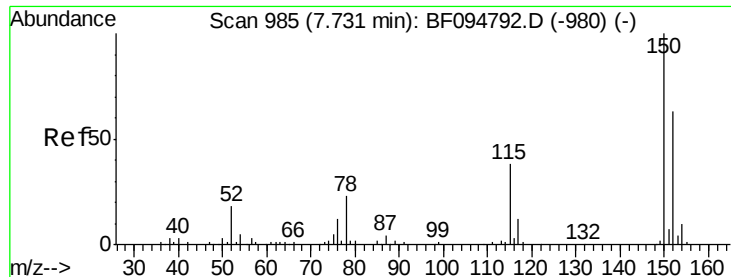
Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

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#1

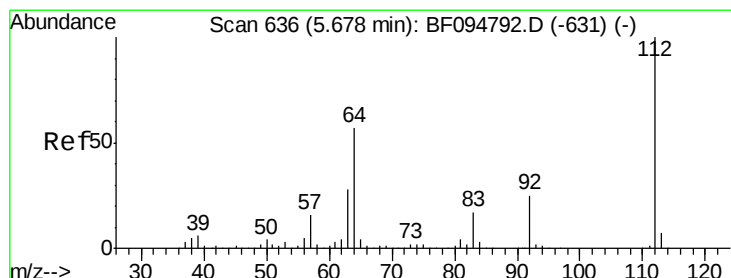
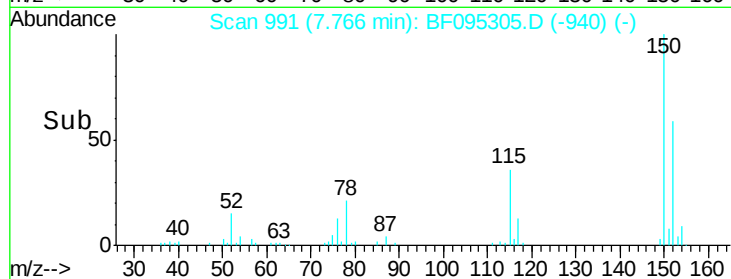
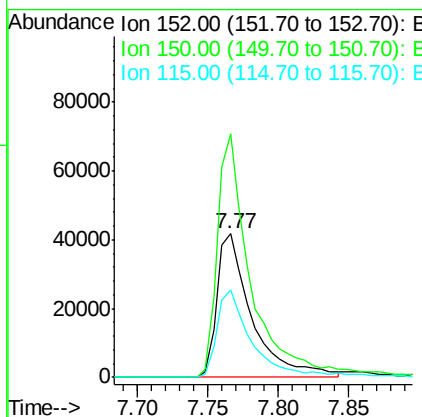
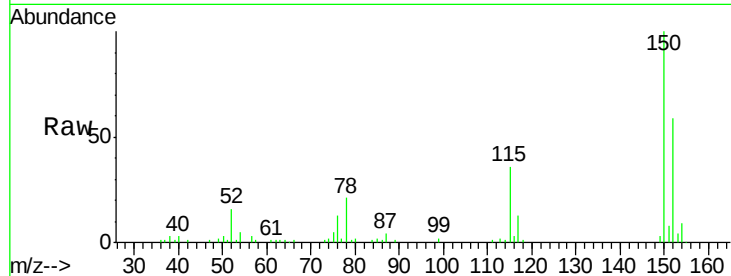
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	169.9	126.2	189.2
115	61.5	52.2	78.2

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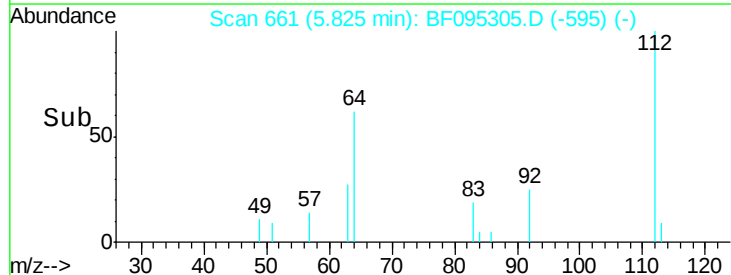
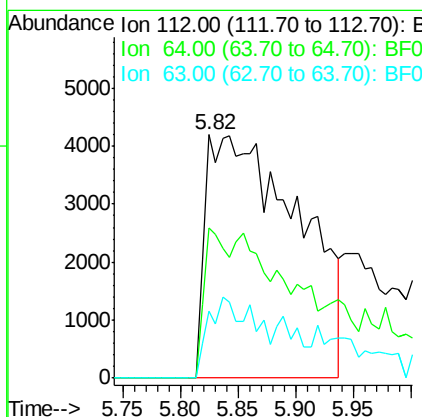
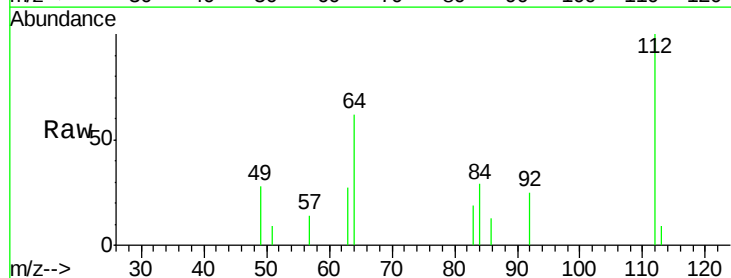
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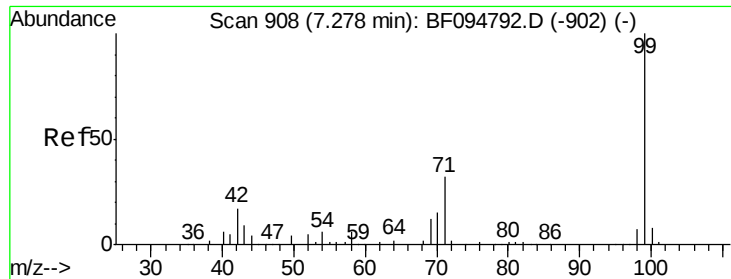


#5

2-Fluorophenol
Concen: 5.47 ng
RT: 5.82 min Scan# 661
Delta R.T. 0.09 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

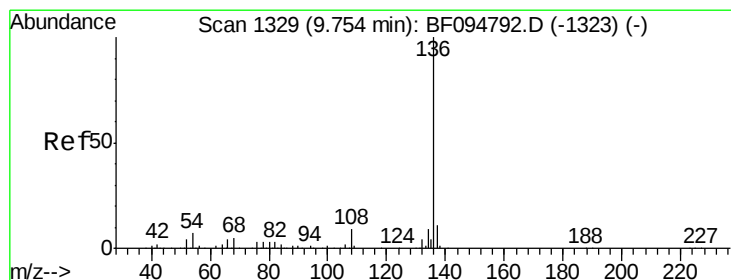
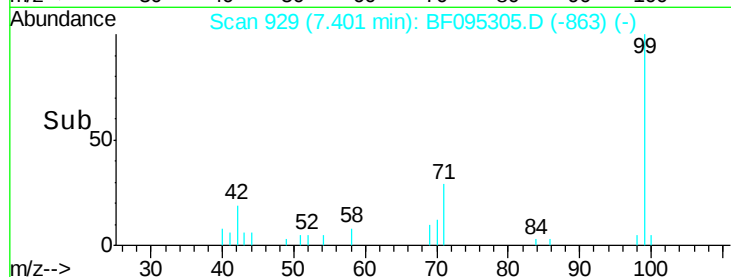
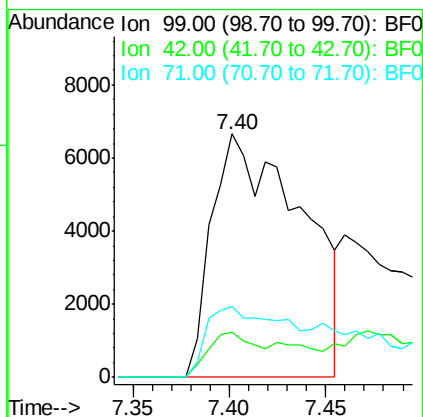
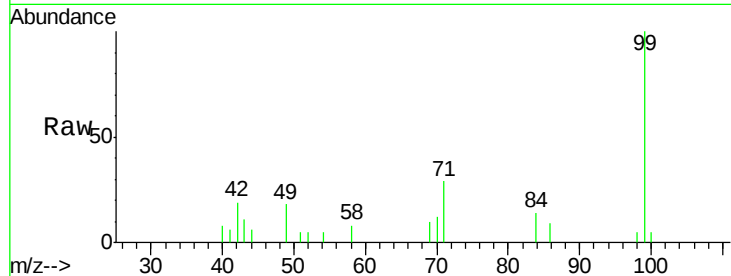
Concen: 4.17 ng m
RT: 7.40 min Scan# 929
Delta R.T. 0.09 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	21528		
42	18.7		13.5	20.3
71	29.0		24.5	36.7

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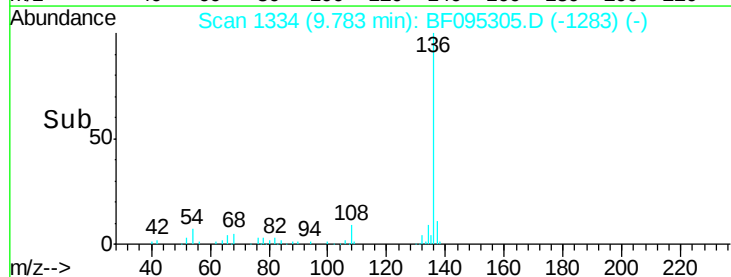
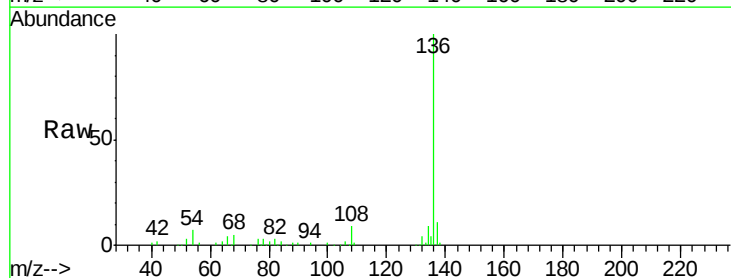
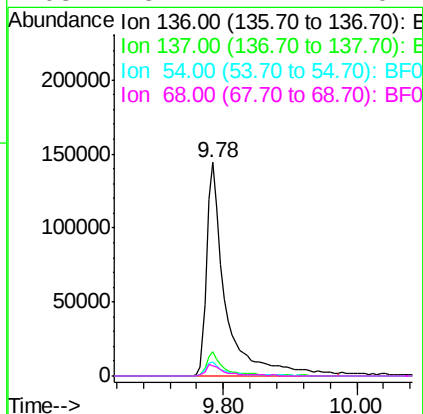


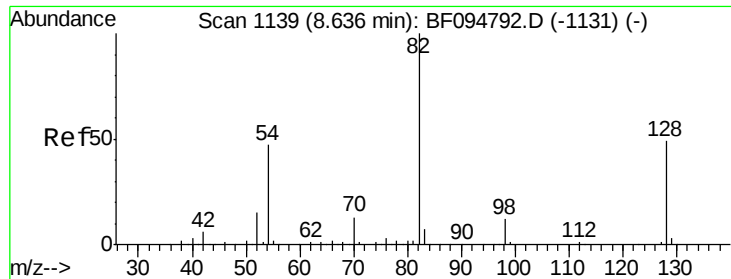
#21

Naphthalene-d8

Concen: 20.00 ng
RT: 9.78 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	288744		
137	11.3		8.5	12.7
54	6.8		4.9	7.3
68	5.1		4.1	6.1





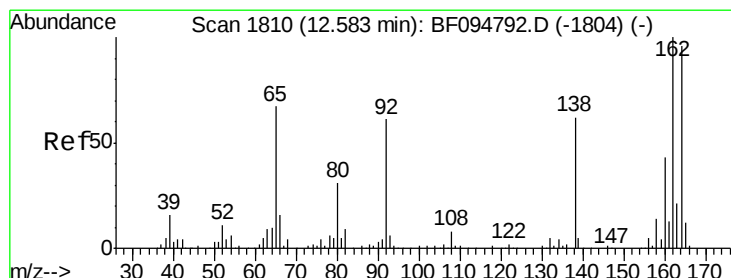
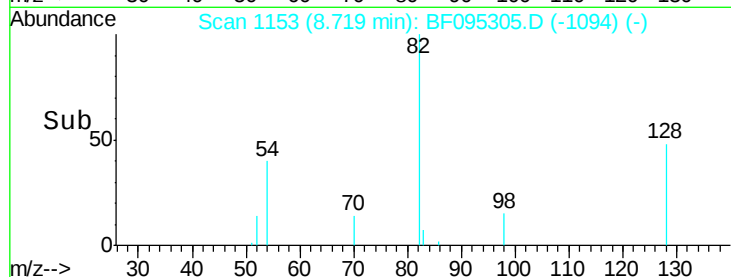
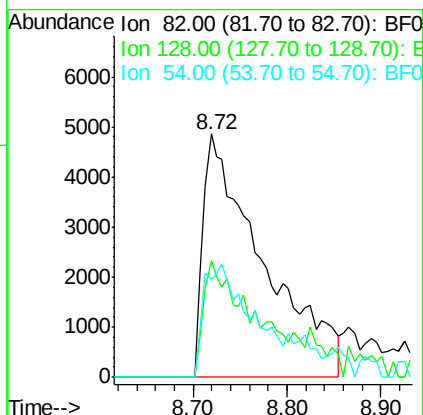
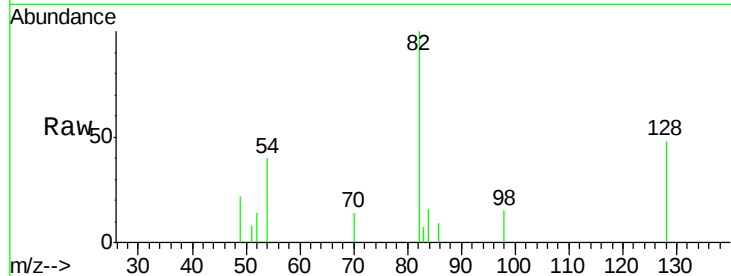
#23
 Nitrobenzene-d5
 Concen: 4.71 ng
 RT: 8.72 min Scan# 1153
 Delta R.T. 0.05 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.0	51.0
54	39.9	42.2	63.2#

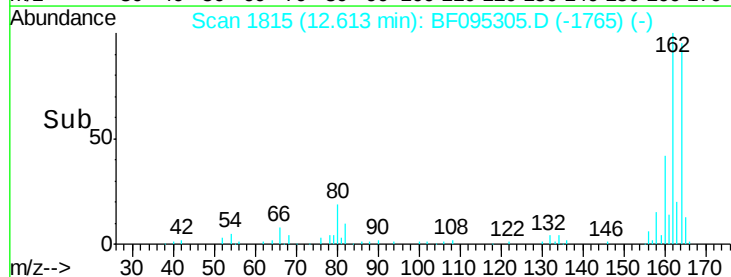
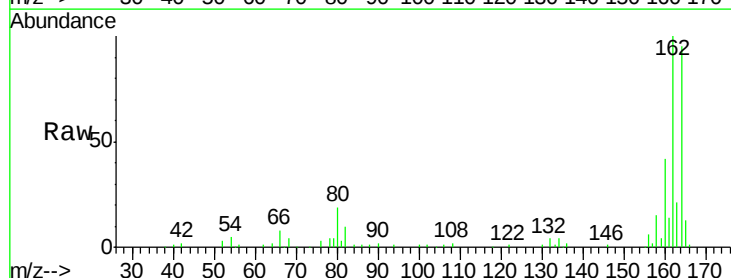
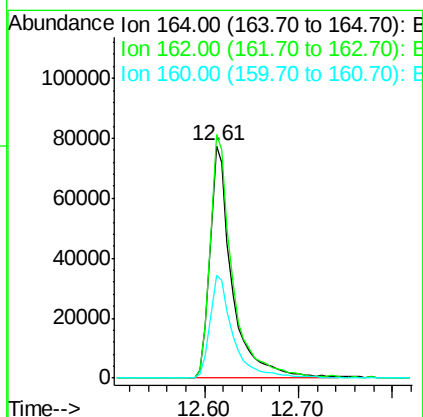
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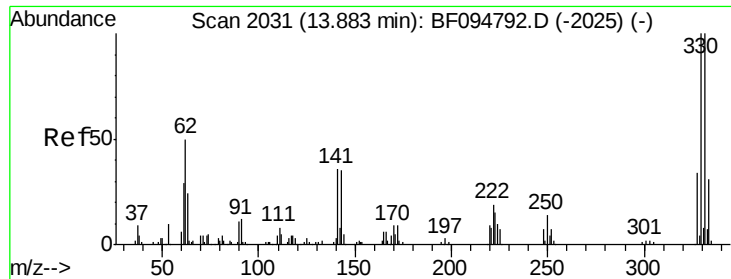
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	44.5	36.2	54.2





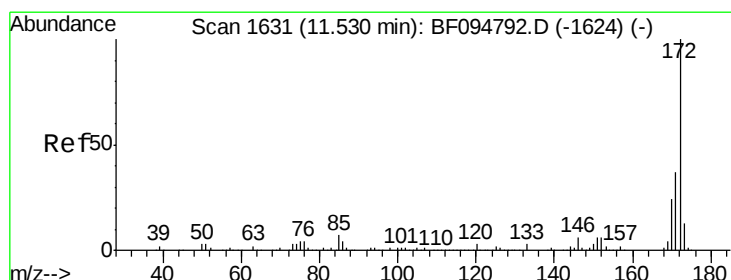
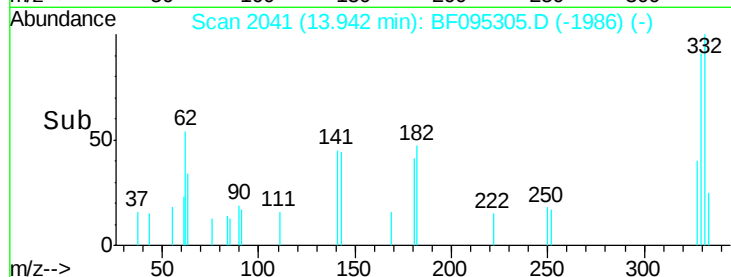
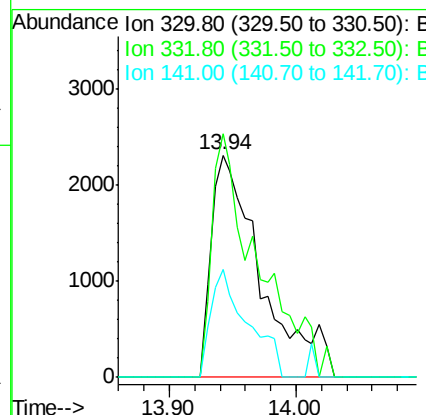
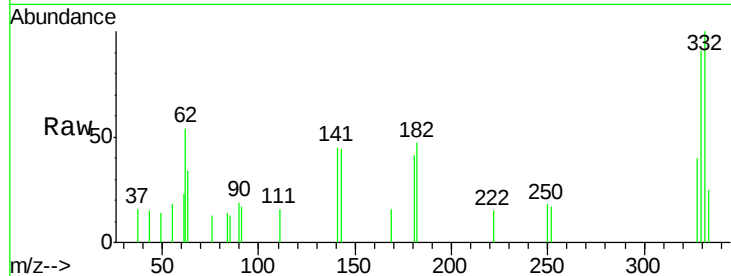
#41
 2,4,6-Tribromophenol
 Concen: 5.97 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6308		
332	102.5	76.6	115.0	
141	36.1	31.4	47.2	

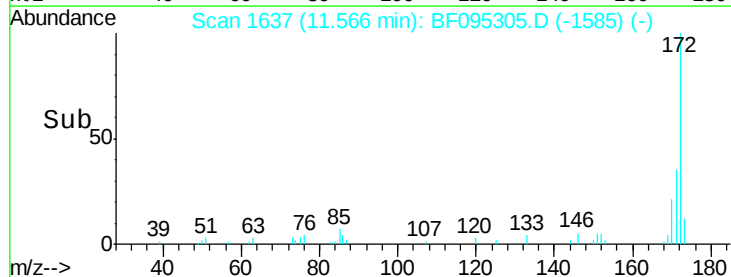
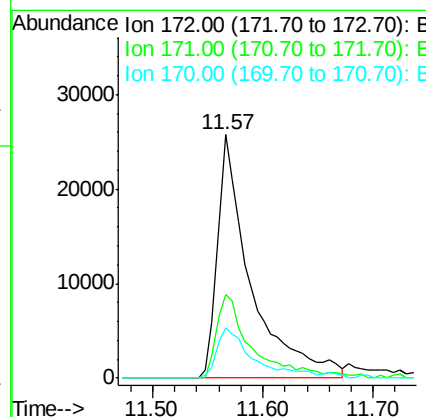
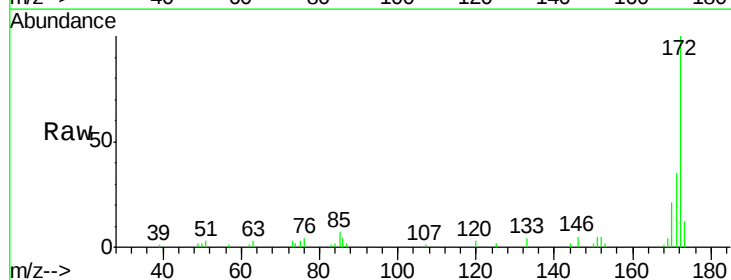
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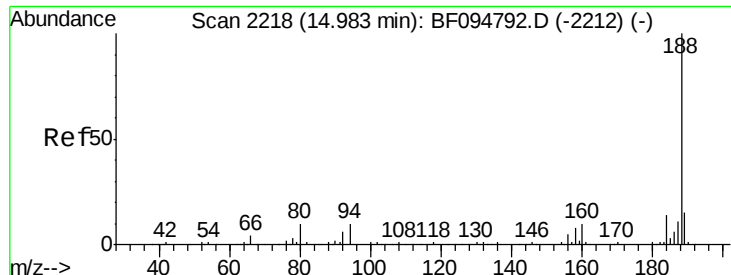
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#44
 2-Fluorobiphenyl
 Concen: 6.02 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	53908		
171	34.6	29.6	44.4	
170	20.6	19.8	29.8	





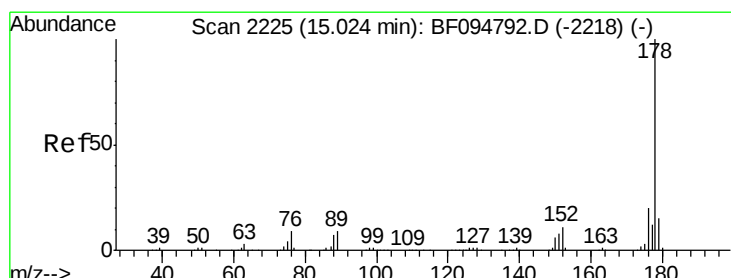
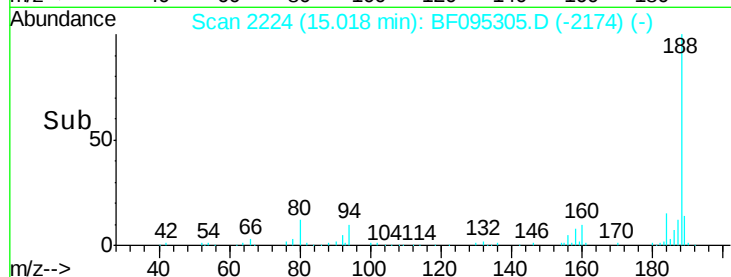
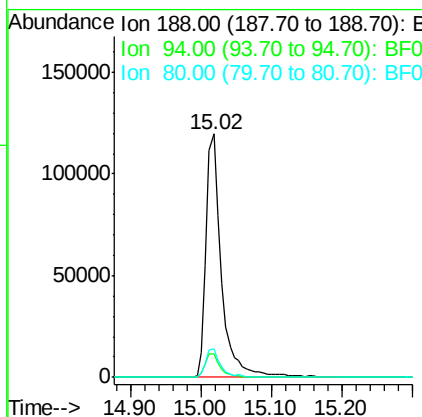
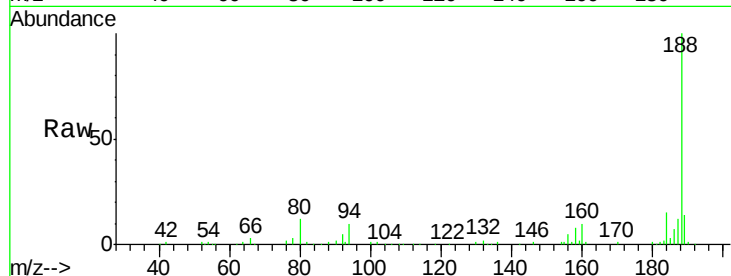
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	181798		
94	9.6	9.4	14.2	
80	11.5	10.2	15.2	

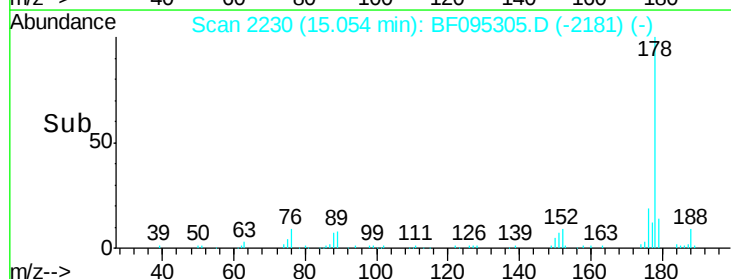
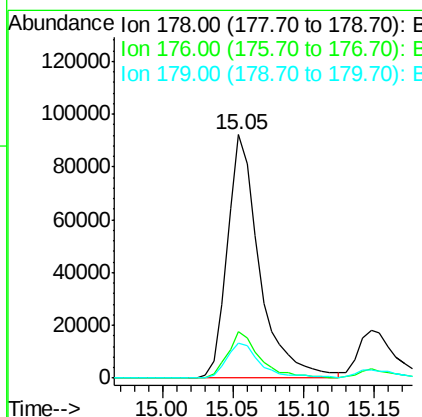
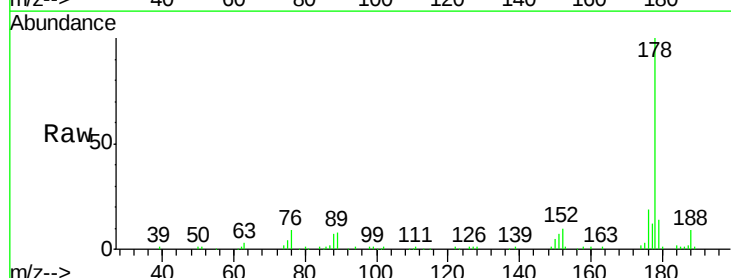
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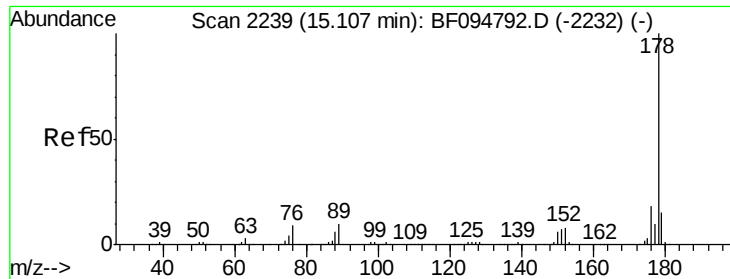
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#70
Phenanthrene
Concen: 14.06 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	146851		
176	19.3	16.2	24.4	
179	14.4	12.6	19.0	





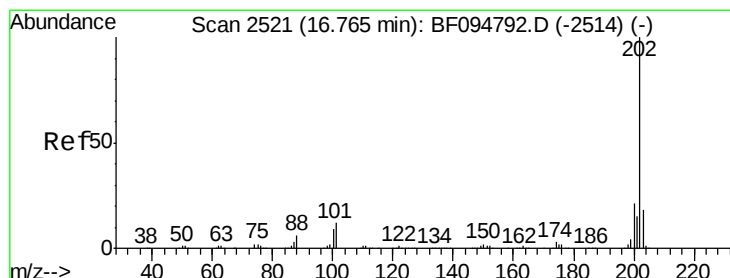
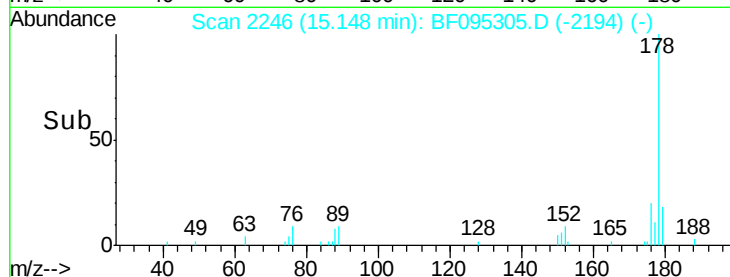
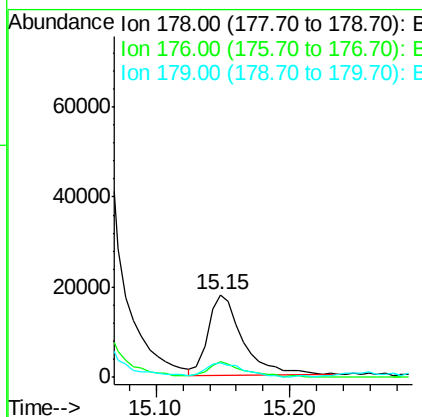
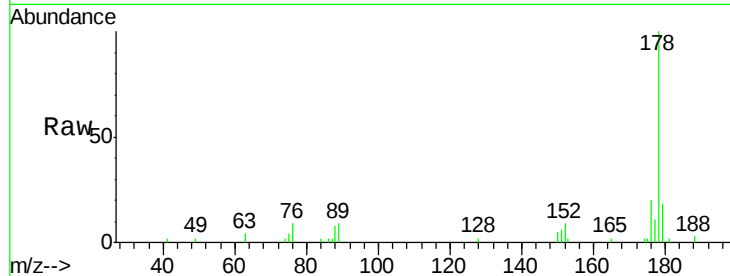
#71
 Anthracene
 Concen: 3.00 ng
 RT: 15.15 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	17.9	12.7	19.1

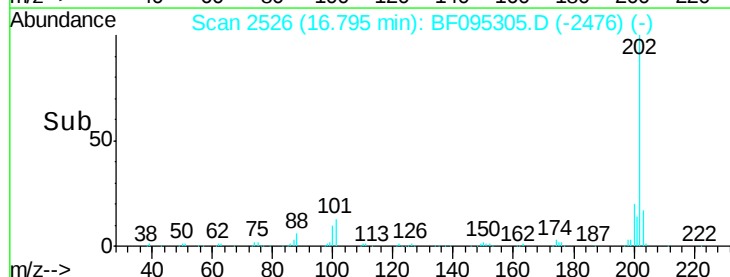
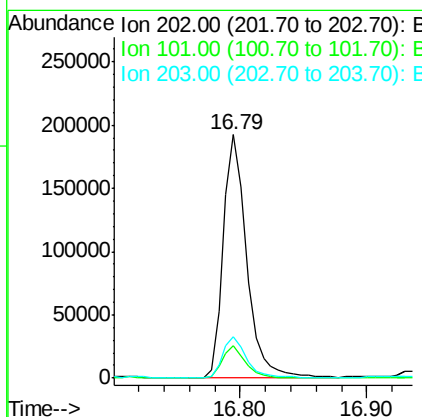
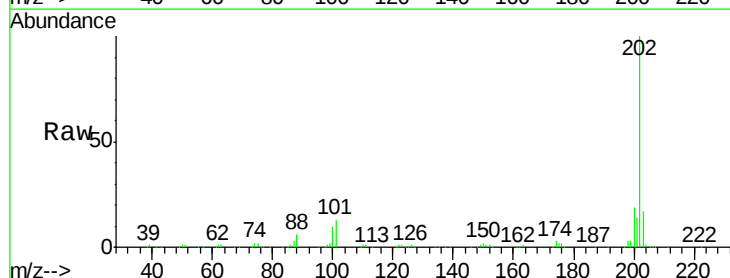
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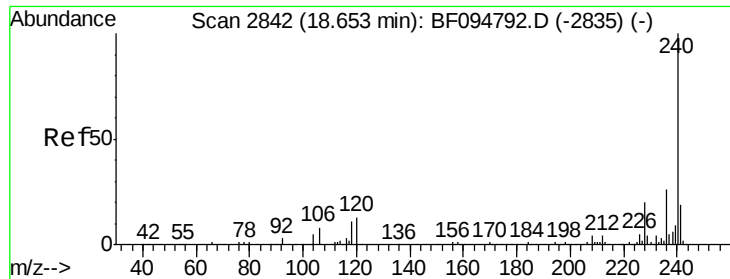
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#74
 Fluoranthene
 Concen: 23.20 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.0	0.0	38.1





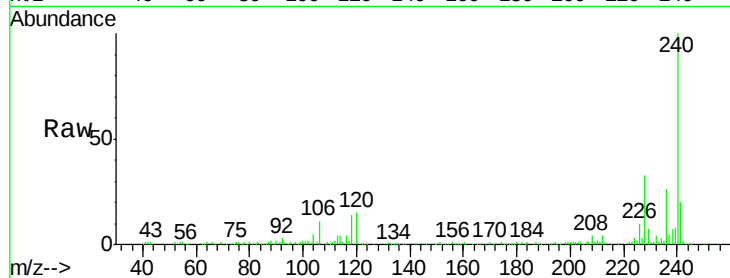
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Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

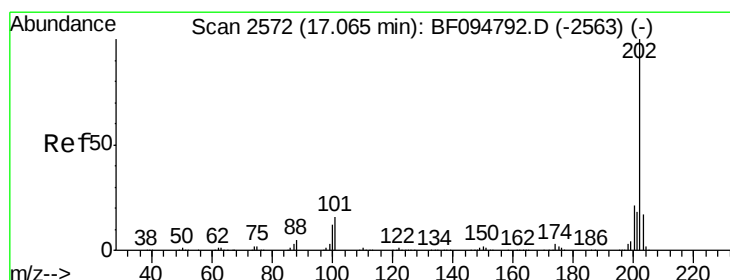
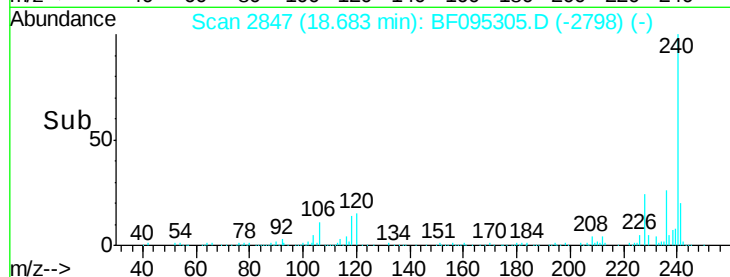
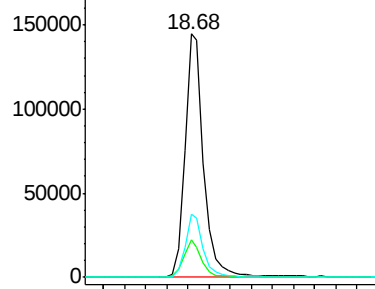
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	180912		
120	15.5	5.8	8.8#	
236	26.0	20.5	30.7	

Manual Integrations
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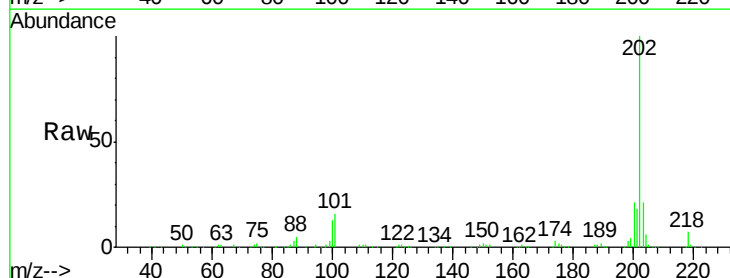


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

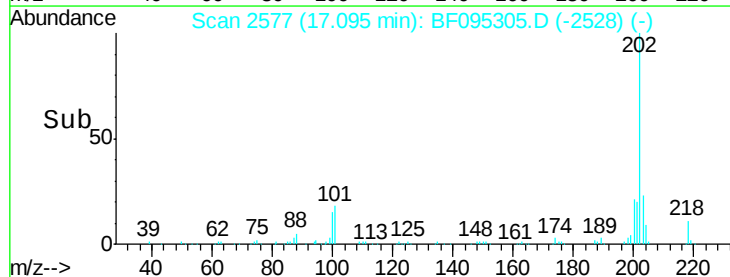
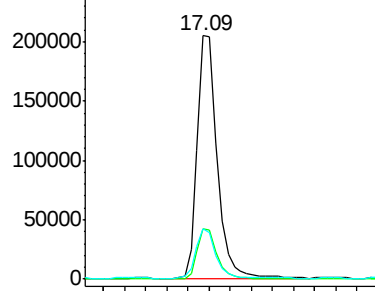


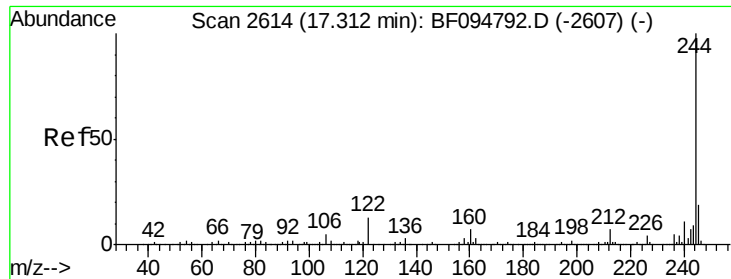
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Pyrene
Concen: 19.82 ng
RT: 17.09 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	268153		
200	20.8	17.6	26.4	
203	20.6	14.4	21.6	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





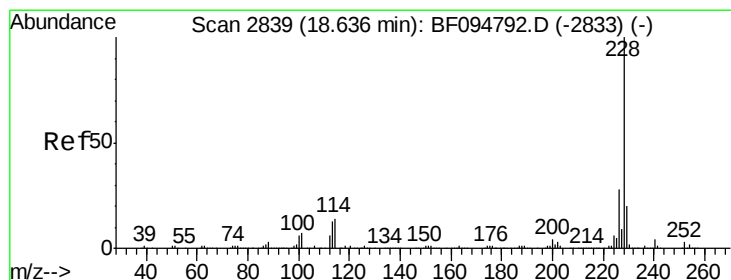
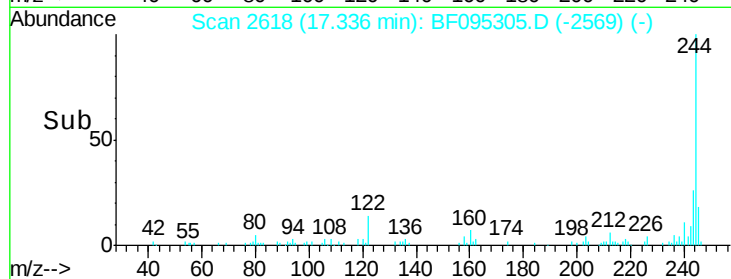
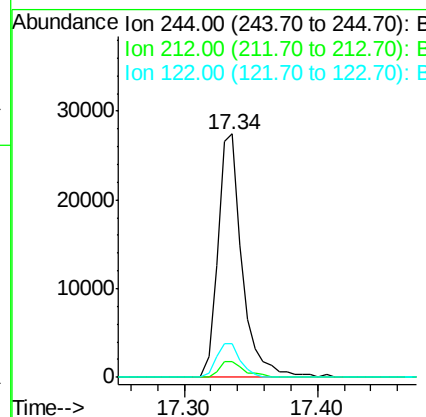
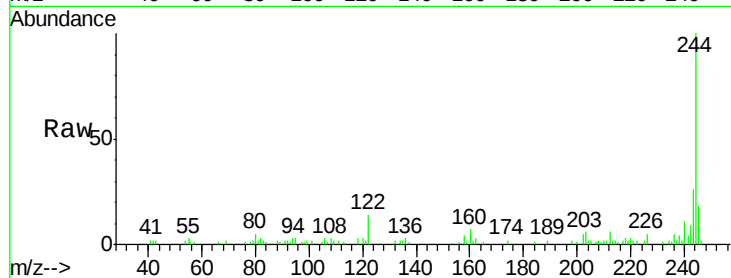
#78
 Terphenyl-d14
 Concen: 4.27 ng
 RT: 17.34 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	13.8	10.3	15.5

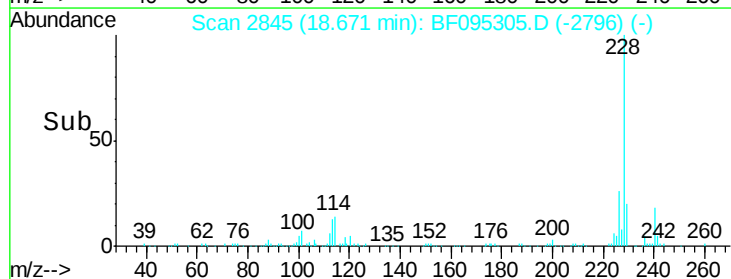
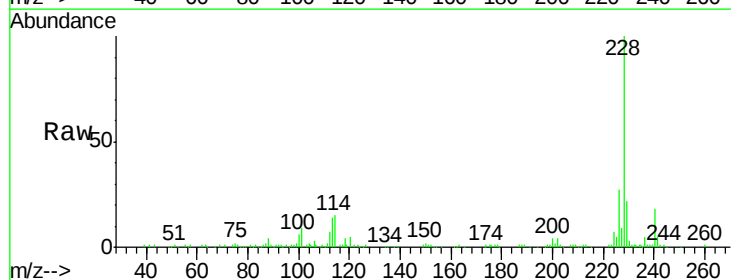
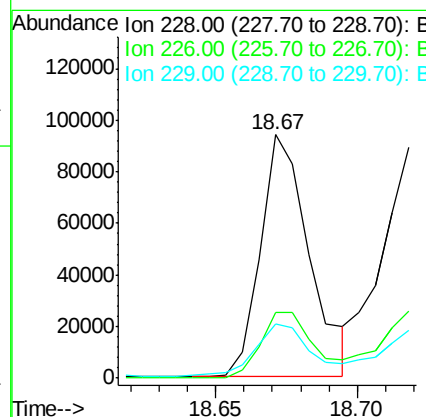
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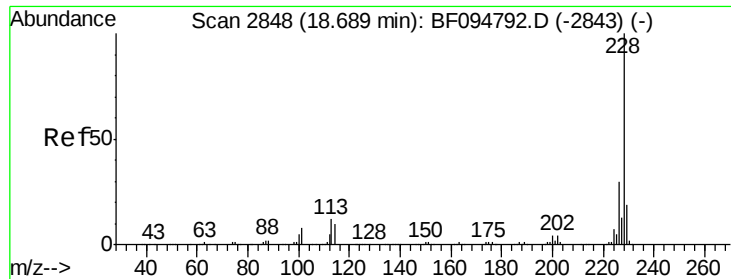
mohammad
 5/22/2017 1:30:44 PM



#80
 Benzo(a)anthracene
 Concen: 10.71 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	22.4	16.3	24.5





#82

Chrysene

Concen: 12.64 ng

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095305.D

Acq: 20 May 2017 15:14

Instrument :

BNA_F

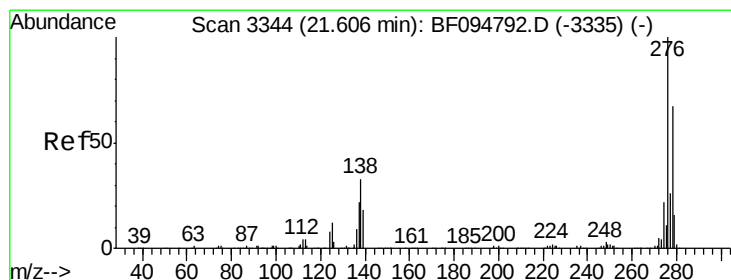
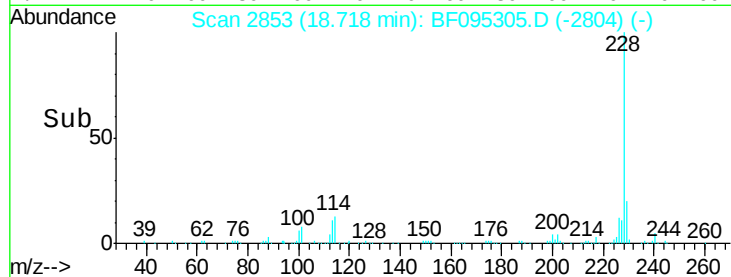
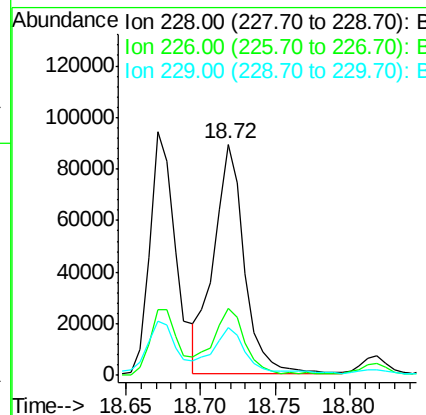
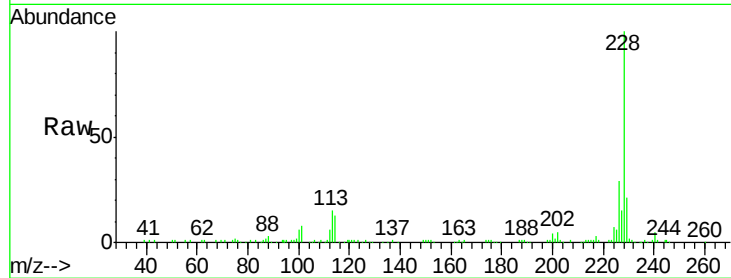
ClientSampleId :

E2-T3-WSW

Tgt Ion:	228	Resp:	128732
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.9	37.3
229	20.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.37 ng

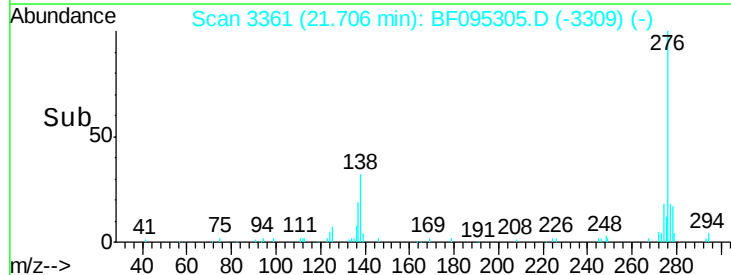
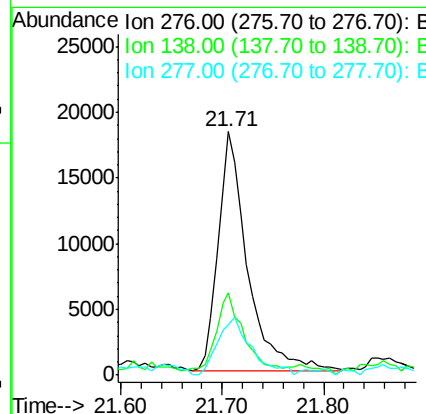
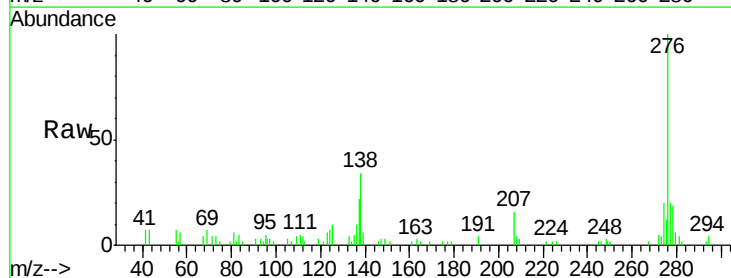
RT: 21.71 min Scan# 3361

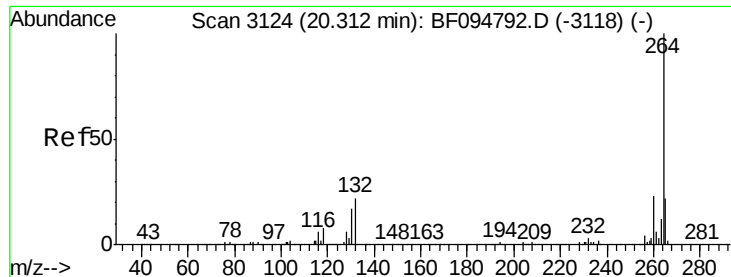
Delta R.T. 0.01 min

Lab File: BF095305.D

Acq: 20 May 2017 15:14

Tgt Ion:	276	Resp:	36136
Ion Ratio	Lower	Upper	
276	100		
138	32.2	27.8	41.6
277	27.4	20.2	30.4





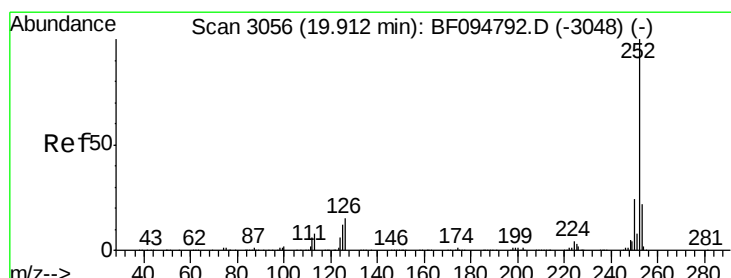
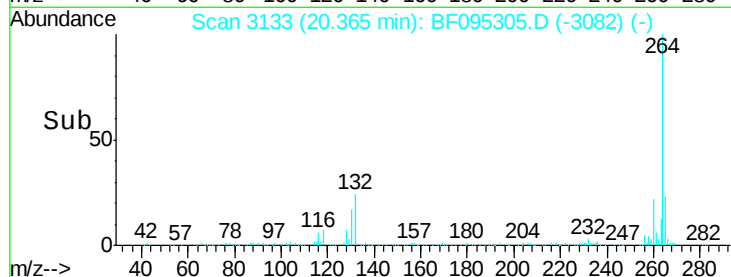
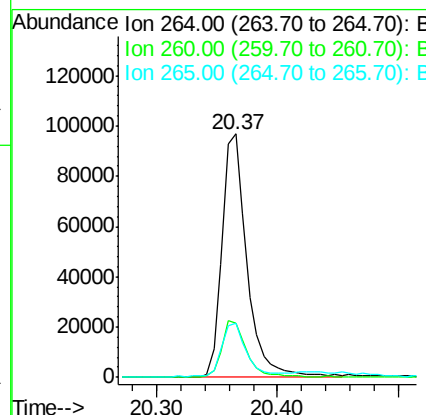
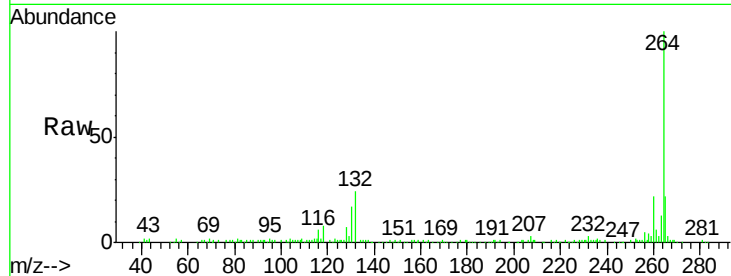
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampleId :
E2-T3-WSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	137833		
260	22.2	19.5	29.3	
265	22.4	17.2	25.8	

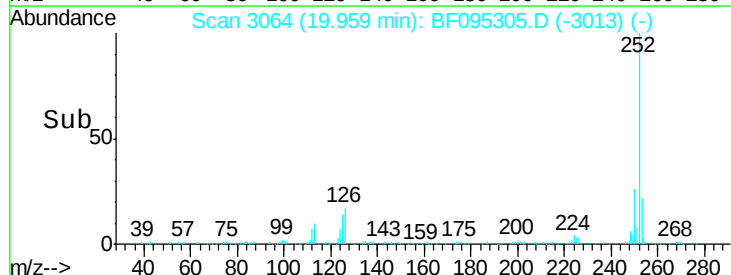
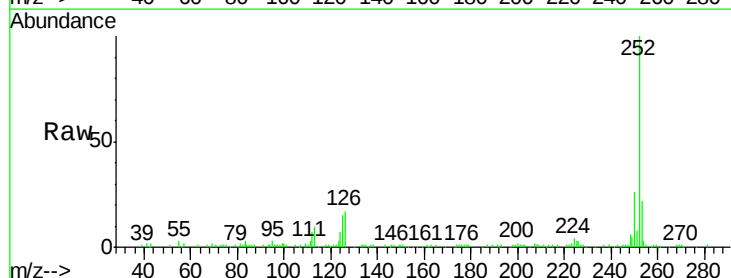
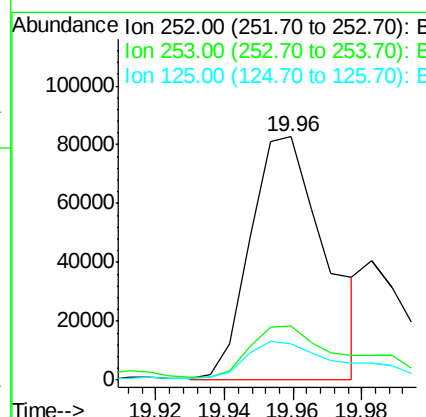
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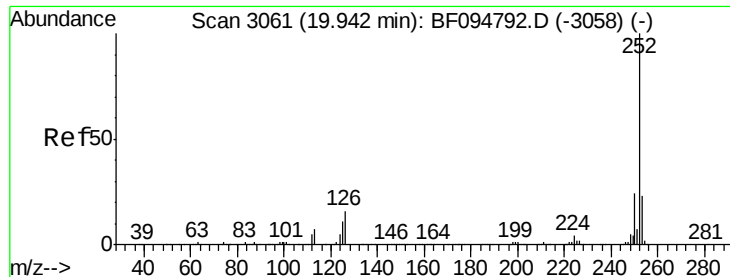
mohammad
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#87
Benzo(b)fluoranthene
Concen: 14.75 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	125651		
253	22.3	18.1	27.1	
125	14.8	9.8	14.8#	





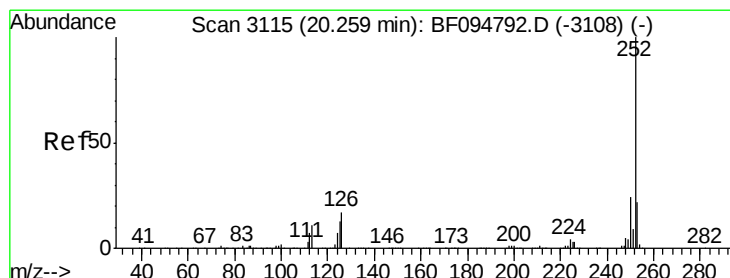
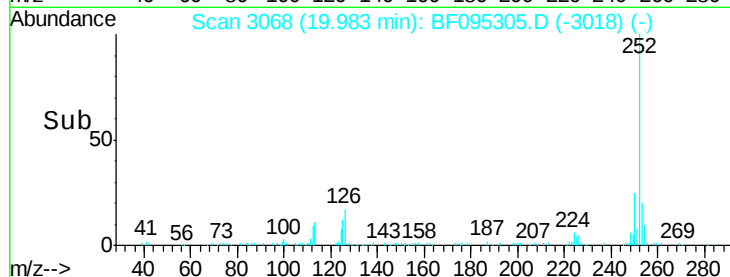
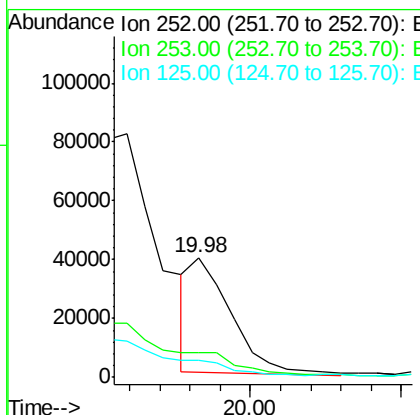
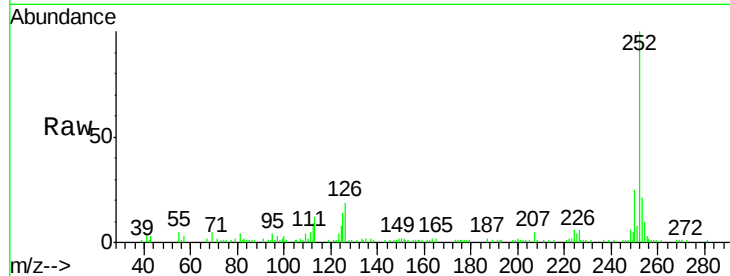
#88
Benzo(k)fluoranthene
Concen: 4.47 ng m
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Instrument :
BNA_F
ClientSampled :
E2-T3-WSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	13.8	13.1	19.7

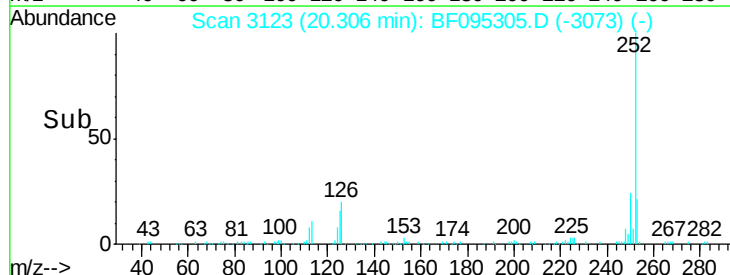
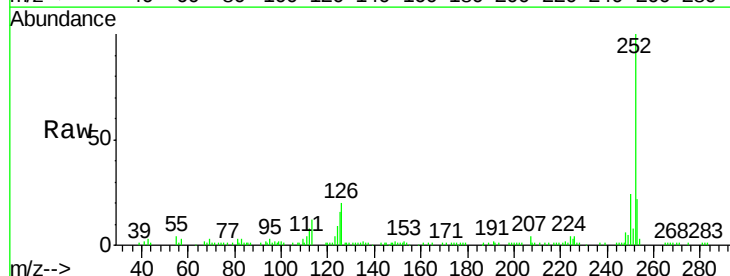
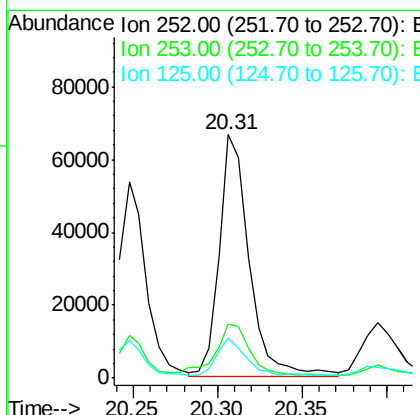
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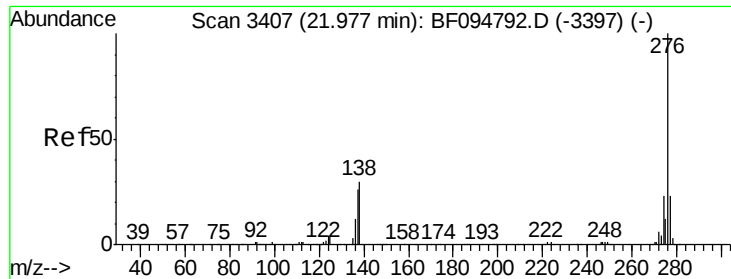
mohammad
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#89
Benzo(a)pyrene
Concen: 10.43 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095305.D
Acq: 20 May 2017 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	16.4	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 6.30 ng
 RT: 22.10 min Scan# 3428
 Delta R.T. 0.02 min
 Lab File: BF095305.D
 Acq: 20 May 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-T3-WSW

Tgt Ion:	276	Resp:	40098
Ion Ratio		Lower	Upper
276	100		
277	22.3	18.6	28.0
138	31.9	25.4	38.0

Manual Integrations
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